DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002999
Date Inspected: 23-Dec-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island
OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact:	Don Walton	**Quality Control Present:**	☑ Yes ☐ No
Material transfer:	☐ Yes ☐ No ☑ N/A	**Sampled Items:**	☐ Yes ☐ No ☑ N/A
Stock Transfer:	☐ Yes ☐ No ☑ N/A	**OK to Cut:**	☐ Yes ☐ No ☑ N/A
Rebar Test Witness:	☐ Yes ☐ No ☑ N/A	**Delayed/Cancelled:**	☐ Yes ☐ No ☑ N/A
Other:	Coatings Inspection		
Bridge No:	34-0006	**Component:**	Sub-Assemblies (OBG), OBG and Office.
Bid Item:	77, 78, 79	**Lot No:**	

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Crash Barriers Internal and External Surfaces (29 Each), NOI Number 5448: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives recorded the results of adhesion testing. Crash Barriers Internal and External Surfaces (29 Each), x4 readings recorded are 9.22 mPa 80% c, 8.23 mPa 70% c, 6.27 mPa 80% c, and 6.98 mPa 85% c. No discrepancies noted. ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (37 Each), Splices (100 Each), OBG Assembly Plates (253 Each), Bike Path Panels (2 Each) and OBG Splices (15 Each), NOI Number 5449: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Crash Barriers (37 Each), Splices (100 Each), OBG Assembly Plates (253 Each), Bike Path Panels (2 Each) and OBG Splices (15 Each). Test results recorded x2 soluble salts reading of 19. 7 and 30.8 (µs/cm). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to inadequate surface preparation (additional blasting required).

Counterweight Cover Plates (10 Each), NOI Number 5452: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Counterweight Cover Plates (10 Each) was tested in accordance with SSPC-SP 1 (Surface Cleanliness). ASTM D4752 (MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub) was also conducted. ABF Quality Assurance personnel instructed ZPMC to re-submit for inspection due to inadequate coating cure (MEK test below grade 4).

OBG Bracket (24 Each), NOI Number 5453: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation OBG Bracket (24 Each). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (13 each), NOI Number 5455: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (13 each) in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

Crash Barriers (13 each), NOI Number 5456A: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (13 each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

CB 15 Splices, Z Splices, OBG Assembly Plates and Suspender Brackets, NOI Number 5457: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on CB 15 Splices, Z Splices, OBG Assembly Plates and Suspender Brackets in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

CB 15 Splices, Z Splices, OBG Assembly Plates and Suspender Brackets, NOI Number 5459: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on CB 15 Splices, Z Splices, OBG Assembly Plates and Suspender Brackets in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

OBG

CB15 OBG Cross Beam, NOI Number 5440: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (24 each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

Attend to report writing and photo documentation.

SOURCE INSPECTION REPORT

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Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer